Power Pentode

9-PIN MINIATURE TYPE

GENERAL DATA

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	Electrical:		
	Heater, for Unipotential Cathode: Voltage (AC or DC)		
	Grid No.1 to plate 0.14 max. μμf Grid No.1 to cathode, grid No.3 & internal shield, grid No.2,		
	and heater 10 μμf Plate to cathode, grid No.3 & internal shield, grid No.2,		
$\overline{}$	and heater		
	Characteristics, Class A; Amplifier:		
	Plate Supply Voltage. 250 volts Grid-No.2 Supply Voltage. 250 volts Cathode Resistor. 135 ohms Mu-Factor, Grid No.2 to Grid No.1 19 Plate Resistance (Approx.) 38000 ohms Transconductance. 11300 µmhos Plate Current 48 ma Grid-No.2 Current 5.5 ma		
	Mechanical:		
	Operating Position		
	Pin 1 - Cathode Pin 2 - Grid No.1 Pin 3 - Grid No.3, Internal Shield Pin 6 - No Connection Pin 7 - Plate Pin 8 - Grid No.2 Pin 9 - Grid No.3,		
	Pin 4 - Heater Pin 5 - Heater Shield AF POWER AND 15150 - Olors		
	AF POWER AMPLIFIER - Class A		
	Maximum Ratings, Design-Naximum Values:PLATE SUPPLY VOLTAGE.600 max. voltsPLATE VOLTAGE.330 max. voltsGRID-No.2 SUPPLY VOLTAGE.600 max. voltsGRID-No.2 (SCREEN-GRID) VOLTAGE.330 max. volts		

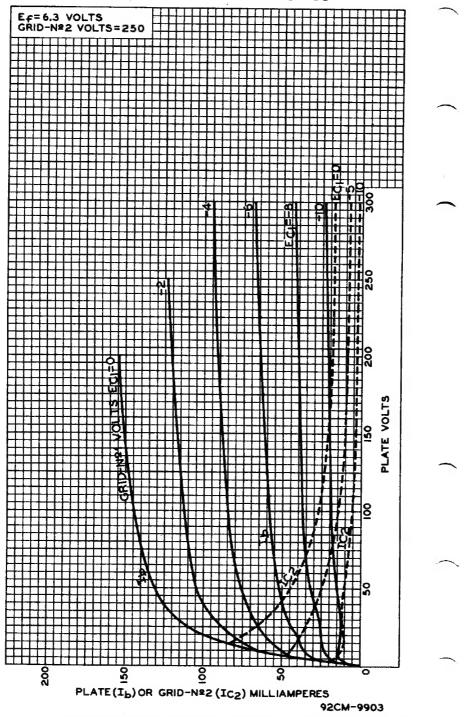
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GRID—No.1 (CONTROL—GRID) VOLTAGE: Negative—bias value CATHODE CURRENT GRID—No.2 INPUT: Peak. Average PLATE DISSIPATION PEAK HEATER—CATHODE VOLTAGE: Heater negative with respect to cathode. Heater positive with respect to cathode.	100 max. 65 max. 4 max. 2 max. 13.2 max. 100 max. 100 max.	volts ma watts watts watts volts volts		
Typical Operation:				
Plate Supply Voltage. Grid-No.2 Supply Voltage. Cathode Resistor. Peak AF Grid-No.1 Voltage Zero-Signal Plate Current MaxSignal Plate Current Zero-Signal Grid-No.2 Current MaxSignal Grid-No.2 Current Effective Load Resistance Total Harmonic Distortion MaxSignal Power Output.	250 250 135 7.3 48 50.6 5.5 10 5200 10 5.7	volts volts ohms volts ma ma ma ohms watts		
Maximum Circuit Values:				
Grid-No.1-Circuit Resistance: For fixed-bias operation	0.3 max. 1 max.	megohm megohm		
	200 MD			
Maximum Ratings, Design-Nazimum Values: PLATE SUPPLY VOLTAGE. PLATE VOLTAGE GRID-No.2 SUPPLY VOLTAGE. GRID-No.2 (SCREEN-GRID) VOLTAGE GRID-No.1 (CONTROL-GRID) VOLTAGE: Negative-bias value CATHODE CURRENT GRID-No.2 INPUT: Peak.	600 max. 330 max. 600 max. 330 max. 100 max. 65 max.	volts volts volts volts volts ma watts		
Average	2 max.	watts		
PLATE DISSIPATION	13.2 max. 100 max. 100 max.	watts volts volts		
Typical Operation:				
Values are for 2 tubes				
Plate Supply Voltage. Grid-No.2 Supply Voltage. Cathode Resistor. Peak AF Grid-No.1-to-Grid-No.1 Voltage. Zero-Signal Plate Current	250 300 250 300 130 130 22.4 28 62 72	volts volts ohms volts ma		

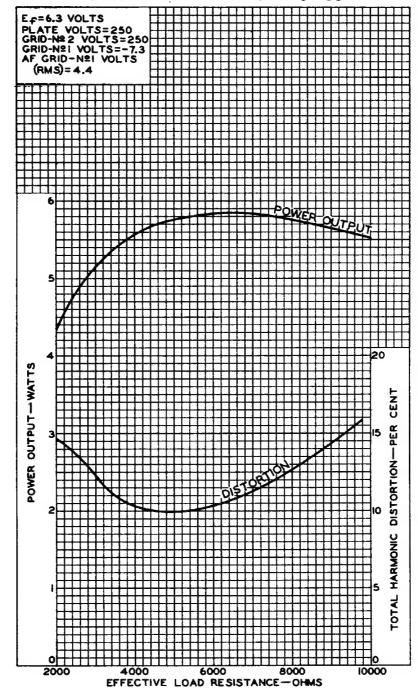
MaxSignal Plate Current
Maximum Circuit Values:
Grid-No.1-Circuit Resistance: For fixed-bias operation 0.3 max. megohm For cathode-bias operation 1 max. megohm
PUSH-PULL AF POWER AMPLIFIER - Class B
Maximum Ratings, Design-Haximum Values:
PLATE SUPPLY VOLTAGE. 600 max. volts PLATE VOLTAGE 330 max. volts GRID-No.2 SUPPLY VOLTAGE. 600 max. volts GRID-No.2 (SCREEN-GRID) VOLTAGE 330 max. volts GRID-No.1 (CONTROL-GRID) VOLTAGE: Negative-bias value 100 max. volts CATHODE CURRENT 65 max. ma GRID-No.2 INPUT: Peak. 4 max. watts Average 2 max. watts PLATE DISSIPATION 13.2 max. watts PLATE DISSIPATION 13.2 max. volts Heater negative with respect to cathode. 100 max. volts
Typical Operation:
Plate Voltage
Maximum Circuit Values:
Grid-No.1-Circuit Resistance: For fixed-bias operation 0.3 max. megohm For cathode-bias operation 1 max. megohm

a Without external shield.

AVERAGE CHARACTERISTICS



OPERATION CHARACTERISTICS



92CM-9902